

July 23, 1951.

Dr. Werner K. Maas,  
Tbc. Research Laboratory,  
411 East 69 Street,  
New York 21, N.Y.

Dear Werner:

This is in reply and thanks for your two letters.

We shall go ahead with the absolute pantothenicless when they arrive. Owing to their sterility, they will be of doubtful value in locating the temperature sensitive p locus.

Your concept of the necessity for locating p<sup>ts</sup> is essentially correct. The aberrant region, located by Mal, is by no means negligible, and the general handling of the diploids is such as to make some readily scored colonial (i.e., fermentative) marker almost obligatory. It would be best to have data from 58-161 x W-677 or 1177 with p segregating, p- and p+ being then compared for the distribution of Lac, Mal, V<sub>1</sub>, Mtl, etc. In fact, I should say that there would be very little point in your visiting to work on the heterozygotes until these data are obtained. Of course, this means you will have to have the necessary 58-161 or W-1177 p<sup>ts</sup> stocks: it would be very much better to have p<sup>ts</sup> in W-1177 or in W-677. This may necessitate a brief postponement of your visit, but perhaps you can have the material ready in time, ~~if~~ with some luck.

If you succeed in reisolating W-677 p<sup>ts</sup>, but do not have time to complete the linkage work, it might be profitable to spend some days on this aspect if next month is the only convenient time for your visit. Let me know what the status of things is likely to be. In any event, we shall be happy to see and discuss these problems with you.

Sincerely,

  
Joshua Lederberg